BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

PRE- MEASUREMENT BOOK

Name of work:- Providing tubolar poles,UG Cables,flood lights to Ganesha idole immersion pond and Doddabomasandra lake bund in Ward No 10 Doddabomasandra

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Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work:-Providing tubolar poles,UG Cables,flood lights to Ganesha idole immersion pond and Doddabomasandra lake bund in Ward No 10 Doddabomasandra

Name of Contractror of nature of Agency:- M/s,Chowdeshwari Electricals,

Job Code No:- 010-20-000102

Ref no and Date of commencement of work:-EE(Ele)YZ/WO/000033 / 2020-21 Date:- 07/10/2020

Measurement Book No: 2568/2019-20. **Page No:** 256781 to 784

Bill NO :-

Sl. No.	Description of item		Unit	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.3 meters - Top 75mm and bottom 105 mm dia		Nos	53	6000.00	318000.00
	For Park Path Way	53 Nos				
2	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.5meters - Top 75mm and bottom 125 mm dia		Nos	130	9300.00	1209000.00
	Around Lake Bound	124 Nos				
	Road Leads to Gym & Childrens Equipments Near Gate 04	06 Nos				
3	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.7 meters - Top 75mm and bottom 145 mm dia		Nos	13	13000.00	169000.00

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	Shuttel Court & Ganesha Idole Immersion Pond	11 Nos				
	Children Play Area Towards Petrol Pump	2 Nos				
4	Supplying, and fixing of Hot dip Galvanized M.S.Bracket		Nos	130	2000.00	260000.00
	Around Lake Bound	124 Nos				
	Road Leads to Gym & Childrens	06 Nos				
5	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm		Mtrs	1595	140.00	223300.00
1	Piller No 21 to Piller No 22	31 Mtrs				
2	Piller No 22 to Piller No 23	31 Mtrs				
3	Piller No 23 to Piller No 24	31 Mtrs				
4	Piller No 24 to Piller No 25	31 Mtrs				
5	Piller No 25 to Piller No 26	31 Mtrs				
6	Piller No 26 to Piller No 27	31 Mtrs				
7	Piller No 27 to Piller No 28	31 Mtrs				
8	Piller No 28 to Piller No 29	31 Mtrs				
9	Piller No 29 to Piller No 30	31 Mtrs				
10	Piller No 30 to Piller No 31	31 Mtrs				
11	Piller No 31 to Piller No 32	31 Mtrs				
12	Piller No 32 to Piller No 33	31 Mtrs				
13	Piller No 33 to Piller No 34	31 Mtrs				
14	Piller No 34 to Piller No 35	31 Mtrs				
15	Piller No 35 to Piller No 36	31 Mtrs				
16	Piller No 71 to Piller No72	31 Mtrs				
17	Piller No 72 to Piller No73	31 Mtrs				
18	Piller No 73 to Piller No74	31 Mtrs				
19	Piller No 74 to Piller No75	31 Mtrs				
20	Piller No 75 to Piller No76	31 Mtrs				
21	Piller No 76 to Piller No77	31 Mtrs				
22	Piller No 77 to Piller No78	31 Mtrs				
23	Piller No 78 to Piller No79	31 Mtrs				
24	Piller No 80 to Piller No 81	31 Mtrs				
25	Piller No 81 to Piller No 82	31 Mtrs				
26	Piller No 82 to Piller No 83	31 Mtrs				
27	Piller No 83 to Piller No 84	31 Mtrs				
28	Piller No 84 to Piller No 85	31 Mtrs				
29	Piller No 85 to Piller No 86	31 Mtrs				
30	Meter No 03 To Pillar no 17	20 Mtrs				
31	Meter No 09 To Meter Panal	45 Mtrs				
32	Pillar No 52 TO Merer Panal	22 Mtrs				
	Around Kalyani					
33	Panal to Pole No 01	22 Mtrs				
34	Pole No 01 to Pole No 02	18 Mtrs				
35	Pole No 02 to Pole No 03	43 Mtrs				
36	Pole No 03 to Pole No 04(18*2)	36 Mtrs				
37	Panal to Pole No 03	69 Mtrs				
38	Pole No 03 to Pole No 05	36 Mtrs				

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39	Pole No 05 to Pole No 06	18 Mtrs				
40	Pole No 06 to Pole No 07	36 Mtrs				
41	Pole No 07 to Pole No 08	18 Mtrs				
42	Pole No 08 to Pole No 09	36 Mtrs				
43	Pole No 09 to Pole No 10	18 Mtrs				
44	Piller No 18 to Play ground Near Petrol	174 Mtrs				
45	Meter Panal TO Open Jim	85 Mtrs				
	Total 1595 Mtrs					
6	3.5 core 35 sqmm		Mtr	200.00	200.00	40000.00
7	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.6 sqmm to 16 sqmm In existing trench/duct.6 sqmm to 16 sqmm		Mtr	1595.00	8.00	12760.00
8	25 sqmm to 75 sqmm		M	200.00	10.00	2000.00
9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)		Mtrs	1391	50.00	69550.00
10	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.335 40mm		Mtrs	30	330.00	9900.00
11	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.					0.00
	Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .... W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. LED Floodlight 150W		Nos	30	12000.00	360000.00
	Shuttel Court	8 Nos				
	Ganesha Idole Immersion Pond	16 Nos				
	Gym Near Ganesha Idole Immersion Pond	2 Nos				
	Children Play Area	4 Nos				

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12	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG	Sqcm	59357	0.40	23742.80
13	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm	Mtrs	48	250.00	12000.00
14	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947: (Icu = Ics)100Amps 25kA.	Nos	2	4500.00	9000.00
15	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32Amps SP	Nos	10	460.00	4600.00
16	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed	Nos	41	2000.00	82000.00
	Total Rs				**2804852.80**
	Add GST @ 12%				336582.34
	Total Rs				**3141435.14**

CERTIFICATE:

1.This is certify that the work done is saticefactorily.
2.This is certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division

Executive Engineer
Electrical Division
Yelahanka Zone BBMP
Byatarayanapura, Bangalore-92